

SPECIAL INTEREST POINTS:

- Climate neutrality.
- Certification and renovation.
- EU City Facility. New call.

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Leadership for climate neutrality

"We have a clear challenge: to make Europe the first climate-neutral continent by 2050" said the President of the European Council. The climate emergency and energy transition agendas require strong leadership, ambition, courage and conviction to achieve the goals set for 2050.

In parallel with the approval of the **Climate Change Law** in Spain, the *Climate Leaders Achieving 2050 Climate Neutrality Project (REMARKABLE)* begins within the framework of the European H2020 program



with the participation of **Escan, s.l. Consultants**, and the support of the Regional Energy Agency of Castilla y León (**EREN**) and various institutional partners from Ireland, Croatia, Austria, Slovenia, France, Belgium and Sweden.

By joining authorities, a **Climate Leadership Program** will be developed, being the first one in Europe dedicated to public authorities. It will facilitate the par-

ticipation of the economic sectors and civil society in the climate challenge. It will also create a network of existing and emerging climate leaders in seven European countries, with the intention of extending it to new territories. **REMARKABLE** is based on sociology and ethnography as a methodological basis for study and will develop a series of activities to support European Regions, Municipalities and Civil Society focusing mainly on the **Climate Neutrality energy issues**.

Success of the EU City Facility



[The European City Facility \(EUCF\)](#) is an initiative that supports municipalities with technical assistance and €60,000 financial support non-refundable to promote local sustainable energy projects.

The first call was a success, highlighting two projects approved in Spain, one in the city of Malaga and the other in the province of Girona, with support from Escan.

"Increasing the energy renovation of residential buildings in the Province of Gerona". This project has been titled **GiDomus** and is a joint application involving five municipalities

It develops a one-stop-shop model for potential investors and developers of energy efficiency and renewable energy projects in each municipality and seeks promoting investments of €106 million with savings of 30 GWh / year.

The success of the proposal and its approval by the EUCF has been motivated by:

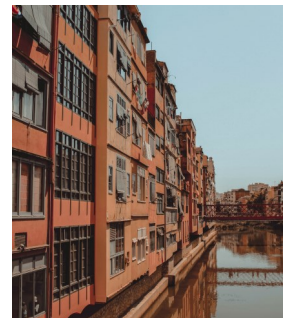
- High Investment rate and demonstrable energy savings.
- Structure of the leading team and governance defined for the project.
- High potential for replication in other municipali-

ties and additional impacts (employment).

- Democratic process for decision making.

The 2nd Call closed in May 2021 and 3rd will open in Autumn 2021.

www.eucityfacility.eu/success-stories.



Gidomus Project

Energy renovation of buildings towards Nearly Zero Energy Buildings, NZEBs

The **QualDeEPC** project makes various proposals on the energy certification of buildings and its relationship with comprehensive energy renovation to improve the entire process and reach buildings with almost zero energy. The fundamental principle that guides this initiative is "Efficiency First", **energy efficiency first!**

At the national level, several workshops have been held with the agents of the sector and 15 new building certifications have been drawn up on how the recommendations of the energy efficiency certificates for buildings could be improved and the certificate model simplified so that it is feasible in all EC countries.

We participated in the European Workshop to present the first results to the "European Rehabilitation Wave" (EU Renovation Wave) with



speakers from the European Commission DG Energy, CINEA, SaintGobain, German Energy Agency, FEDARENE and **Escan s.l. Energy Consulting**. Later in May, various media reported on the progress of the project.

In particular, the creation of a digital platform that promotes the energy renovation of buildings was highlighted in Interempresas, Spanish Technological Platform of Construction — [PTEC](#), Ecoconstrucción, [Obras Urbanas](#),

A third round of interviews with the agents of the sector is carried out through interviews with companies and institutions, Ministry of Transport-DG Housing and land, IDAE, ICAEN, INEGA ... CIEMAT, ISOVER, various architecture studios, etc.



Produce refrigeration with energy efficiency

A large percentage of food and beverage companies dedicate 75% of their electricity costs to cold chains, including production, transport, storage and production processes.

The Spanish Federation of Food and Beverage Industries, **FIAB** in collaboration with **Escan Energy Consultants** organized a Training Workshop on May 19th to present solutions that allow optimizing energy consumption.

Experts from companies such as GRUPOTEC, AZUCARERA, ISOVER, WEG, ITCL, GRUNDFOS, CARRIER and COFRICO, as well as different professionals from the sector, participated as speakers in the workshop introducing their experiences in specific cold supply chain solutions for food and beverage industries.

Through the Zoom platform, the participants exchanged knowledge to move towards more sustainable and

energy efficient production models, considering at the same time the economic and financial analysis.



This event is part of the project **ICCEE** - Improving Cold Chain Energy Efficiency from the European Horizon 2020 (H2020) program financed by the European Commission.

ICCEE project will run until Summer 2022, including free [E-learning training](#) and European Workshops.



Electricity efficiency in the cold chain

The protection of the environment

[The REPLACE project](#) motivates and helps the citizens from ten European regions to replace their old heating systems with more environmentally friendly alternatives.

Campaigns are being developed to replace coal and diesel boilers by biomass, in coordination with local working groups (administration, consumers, manufacturers, installers and other key participants) coordinated by the [Regional Energy Agency of Castilla y León, EREN](#) and Escan as project partners.

[Best practice examples](#) have been described for 8 European Regions in a set of documents available in the Project website, which have a

high potential for replication in European countries..

Old inefficient systems were found in single-family homes and buildings of flats in all regions, usually fuelled with diesel, coal, electrical System and even inefficient biomass.

Some examples of new systems replaced are those using wood pellets (generally they come from the own building region) or waste heat from other companies (as MICHELIN in Aranda de Duero) that have been complemented in some cases with aerothermal or solar thermal energy.

Also, as an innovative example, the Ellbach fire station in Ger-

many includes a novel system with a combination of ice storage heating, hybrid collectors, heat pump and concrete activation, replacing the old electric heating system.



Biomass system heating control

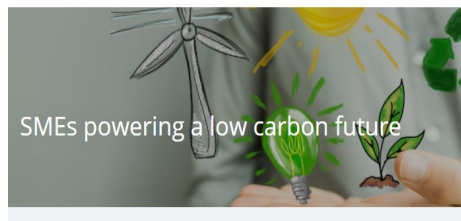
Collaborations

- Our Company cooperates with a **leading European DSO in smart grid projects**, aimed at improving grid sustainability and new business models. We are also starting **Energy Communities** with RES at local level.
- **“La réussite de l’Europe - union, energie et technologie”**, is a publication by Domenico Rossetti di Valdalbero, a high EC official. The book is structured in three parts: **Prospective; Energy and climate transition; Technological progress**. Its content can spark interesting discussions and debate.
- Escan participated in a **panel discussion** at the **EU Green Week** event organized by the European Heat Pump Association (06.09.21) on the implemen-



tation of innovative projects in different European Regions.

- The [SME POWER project](#), managed in Spain by EREN, continues in 2021 supported by Escan as a benchmark energy consultancy for this European initiative.



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Brief news

◇ On May 20, **Escan** participated in the EnR Buildings Working Group in which various issues related to the HORIZON EUROPE 2021-2022 call were discussed.

◇ Escan is advising a Mining Company to improve their sustainability. In 2021 a 2MW solar PV System for self-consumption will be installed and the cogeneration operation will be improved to significantly reduce the CO2 emissions. Considering the high energy and CO2 prices within this year, this will mean an important cost reduction.

◇ We participated in two expressions of interest in the MINCOTUR program to promote industrial competitiveness and sustainability tractor projects, **in the work lines of sustainable energy.**

Sustainable energy management.

EUREMnext project partners from 15 European countries have worked incorporating content for the European Energy Manager Course with current issues for this innovative Program.



In Spain, the consulting firm Escan prepared various materials on energy audits, Industry 4.0, sustainable mobility, energy culture and project financing. Several practical workshops so

that students could measure different parameters of energy consumption with appropriate devices and learn how energy audits are carried out in a real way. Every year more than a hundred professionals receive this energy manager certificate at European level.

We are currently finishing an online training course and the participants have carried out different types of work in municipal buildings, single-family homes, industrial buildings, improvements to the envelope, glazing, heat systems, climate, incorporation of renewables, etc.

The online modality has facilitated participation from their places of work or residence, as in this case Alicante, Almería, Barcelona, Copenhagen, Guayaquil, Logroño, Madrid and Bilbao.

The training and updating of knowledge will continue in the NEXT COURSE and enrollment will be open from November 2021.

Interested persons can contact Escan and visit the web:

www.escansa.com

Note: In March, the EUREMnext project was present at the 8th Plenary Meeting of the Concerted Action of the European Energy Efficiency Directive (CA EED), presenting experiences of energy efficiency projects.